

Converting Colors

XYZ(36.9129, 39.9585,
112.7002)

Have a look what the booklet for
XYZ(36.9129, 39.9585, 112.7002)
contains.

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Color

**XYZ(34.6088, 39.0956,
100.3299)**

Conversions

Conversions Part 1

Format	Color
Hex	27B1FF
RGB	39, 177, 255
RGB Percent	15%, 69%, 100%
CMY	0.8470, 0.3059, 0.0000
CMYK	0.85, 0.31, 0.00, 0.00
HSL	202°, 100%, 58%
HSV	202°, 85%, 100%
XYZ	34.6088, 39.0956, 100.3299
YIQ	144.6300, -107.2860, -4.9980

Conversions

Conversions Part 2

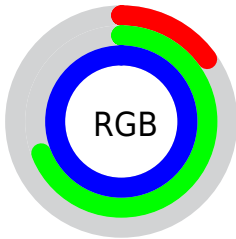
Format	Color
R _Y B	39, 123, 255
Decimal	2601471
CIE Lab	68.82, -8.56, -48.38
CIE LCh	69, 49.130, 259.962
Yxy	39.0956, 0.1989, 0.2246
Android (android.graphics.Color)	4280791551 (0xFF27B1FF)
YUV	144.6300, 54.4124, -92.6375
Hunter-Lab	62.5265, -10.6204, -51.3681

Details

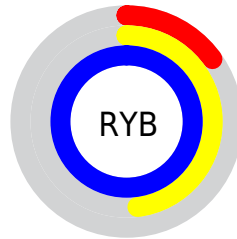
The XYZ color **34.6088, 39.0956, 100.3299** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **47.9704, 34.1343, 5.9818**, and the grayscale version is **26.5847, 27.9692, 30.4585**.

A 20% lighter version of the original color is **54.9327, 69.0708, 105.0445**, and **17.5267, 18.7444, 56.1204** is the 20% darker color. If you saturate the color by 10%, you get **32.1882, 35.2384, 99.7129**, and if you desaturate by 10%, it is **37.8020, 43.5344, 101.0183**.

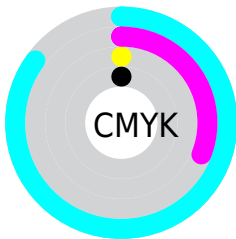
Distribution



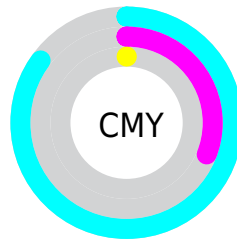
- Red (15%)
- Green (69%)
- Blue (100%)



- Red (15%)
- Yellow (48%)
- Blue (100%)



- Cyan (85%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (85%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6088, 39.0956, 100.3299 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 34.6088, 39.0956, 100.3299 by changing the saturation by 10% instead.

■ 34.6088, 39.0956,
100.3299

■ 34.6088, 39.0956,
100.3299

314.3766,
342.2968, 582.5056

■ 23.5268, 26.8341,
75.9577

■ 66.2173, 73.7843,
163.6663

■ 15.1058, 17.4487,
55.8913

■ 87.4745, 96.9804,
203.4675

■ 8.9805, 10.5549,
39.7124

■ 112.8542,
124.5900, 249.2488

■ 4.7855, 5.7684,
27.0023

■ 142.7216,
156.9978, 301.4288

■ 2.1554, 2.7048,
17.3425

■ 177.4422,
194.5879, 360.4259

■ 0.7191, 0.9796,
10.3145

217.3814,

■ 0.0000, 0.0000,

237.7448, 426.6587

5.4996

262.9044,
286.8530, 500.5457

■ 0.0000, 0.0000,
2.4795

■ 0.0000, 0.0000,
0.8292

■ 34.6088, 39.0956,
100.3299

■ 34.6088, 39.0956,
100.3299

■ 32.1882, 35.2384,
99.7129

■ 37.8020, 43.5344,
101.0183

■ 31.1310, 33.3820,
99.4103

■ 41.8781, 48.6136,
101.7839

■ 46.9320, 54.3859,
102.6317

■ 53.0442, 60.8962,
103.5661

■ 60.2863, 68.1844,
104.5912

■ 68.7231, 76.2874,
105.7106

■ 78.4145, 85.2388,
106.9276

■ 89.4160, 95.0703,
108.2454

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.3315, 39.0956, 84.5879



34.6088, 39.0956, 100.3299



42.5116, 39.0956, 96.9663

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.6088, 39.0956, 100.3299



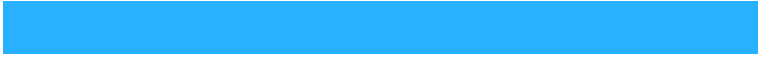
53.0927, 39.0956, 29.5374



26.8296, 39.0956, 20.5045

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



34.6088, 39.0956, 100.3299



47.9704, 34.1343, 5.9818

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.2760, 39.0956, 13.6367



34.6088, 39.0956, 100.3299



47.6530, 39.0956, 17.4458

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



34.6088, 39.0956, 100.3299



53.9480, 39.0956, 50.4928



39.8319, 39.0956, 12.7570



24.2741, 39.0956, 35.5199

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.6088, 39.0956, 100.3299



47.6350, 39.0956, 84.6457



39.8319, 39.0956, 12.7570



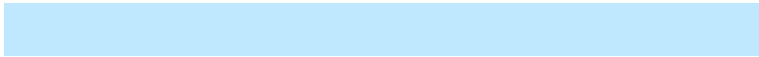
28.3442, 39.0956, 17.4257

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



34.6101, 39.0968, 100.3300



68.4490, 76.0292, 105.6752



39.6700, 73.1808, 28.1383



13.9893, 15.6456, 22.5325



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.6101, 39.0968, 100.3300



31.1310, 33.3820, 99.4103



21.1677, 12.2119, 95.8492



17.9708, 19.3133, 23.0306



16.4134, 17.7363, 51.9930



1.7018, 1.9344, 5.0970

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49.9023, 25.8870, 43.9625



47.8427, 23.9011, 36.6993



67.8885, 73.9704, 12.6211



18.4979, 18.1825, 21.2392



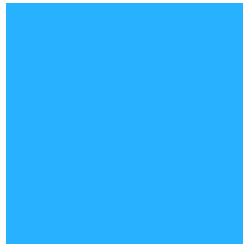
25.0729, 12.5185, 19.5662



2.4936, 1.2398, 2.1808

Previews

White Background



This preview shows how the XYZ color 34.6088, 39.0956, 100.3299 looks on a white background.

Color Contrast Check

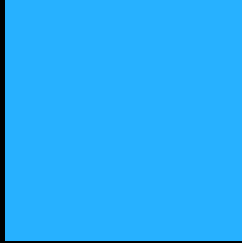
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 34.6088, 39.0956, 100.3299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

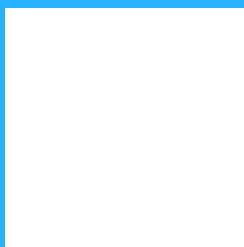
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6088, 39.0956, 100.3299

Background



This preview shows how black text looks on a background with the XYZ color 34.6088, 39.0956, 100.3299.

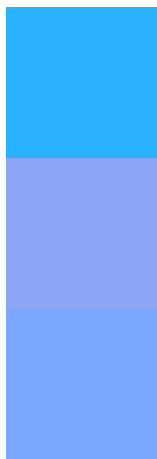


This preview shows how white text looks on a background with the XYZ color 34.6088, 39.0956,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

34.6088, 39.0956, 100.3299

Protanopia

40.4198, 38.6580, 90.9193

Deuteranopia

39.7123, 38.6300, 99.9710



Tritanopia

27.6578, 38.8214, 60.0684

Trichromacy



Original Color

34.6088, 39.0956, 100.3299

Protanomaly

36.7248, 38.0368, 94.2132

Deuteranomaly

36.8384, 38.2448, 100.0481

Tritanomaly

29.6952, 38.6637, 72.9156

Monochromacy



Original Color

34.6088, 39.0956, 100.3299

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.7578, 30.6809, 50.4107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6088, 39.0956, 100.3299 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(39, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(39, 177, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(39, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 177, 255) }
```

Border

The CSS property to change the border of an element to XYZ 34.6088, 39.0956, 100.3299 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(39, 177, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(39, 177, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(39, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(39, 177,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6088, 39.0956, 100.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 177, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(39, 177,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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